Notice of Allowability 10/698,432 TERUNAO HANAOKA Examiner Art Unit Examiner Art Unit	· · · · · · · · · · · · · · · · · · ·	Application No.	Applicant(s) TERUNAO HANAOKA		
Notice of Allowability Examiner Khiem D Nguyen 2823 Pro- The MAILING DATE of this communication appears on the cover sheet with the corpspondence address—All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously maled), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THI NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initio of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. 1. ☑ This communication is responsive to 07/20/04. 2. ☑ The allowed claim(s) is/are 1-19. 3. ☑ The drawings filed on 03 November 2003 are accepted by the Examiner. 4. ☑ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ☑ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have been received. 2. ☑ Certified copies of the priority documents have been received in Application No. 09/765.433. 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). * Certified copies not received:	Notice of Allowability	10/698.432			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address—All claims being allowable. PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith for previously mailed, a Notice of Allowance (PTOL-18) or other appropriate communication will be added in due course. TH NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initio of the Office or upon pelition by the applicant. See 37 CFR 1.313 and MPEP 1308. 1. ☑ This communication is responsive to 07/20/04. 2. ☑ The allowed claim(s) Is/are 1-19. 3. ☑ The drawings filed on 02 November 2003 are accepted by the Examiner. 4. ☑ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)–(d) or (f). a) ☑ All b) ☐ Some* c) ☐ None of the: 1. ☐ certified copies of the priority documents have been received. 2. ☑ Certified copies of the priority documents have been received in Application No. 09/765.433. 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). **Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE 5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) ☐ hereto or 2) ☐ to Paper No./Mail Date ☐ (Draftsperson's Patent Drawing Review (PTO-948) attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. Attachmont(s) 1. ☑ Notice of Draftsperson's Patent Drawing Review					
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Application/Control Number: 10/698,432

Art Unit: 2823

DETAILED ACTION

Allowable Subject Matter

Claims 1-19 are allowed.

Reasons For Allowance

The following is a statement of reasons for the indication of allowable subject matter: The prior art taken alone or in combination neither discloses nor makes obvious the instant process of claims as a whole. Specifically, the prior art of record, Eldridge et al. (U.S. Pub. 2001/0015652) discloses a method of manufacturing a semiconductor device comprising: forming a through-hole (FIG. 3A: 306 and 308) in the semiconductor element (pages 11-12, paragraphs [0167]-[0168]); and forming a conductive layer (FIG. 3A: 311, 312, and 315) in a region including an inner side of the through-hole (page 12, paragraph [0169]) but fails to teach or suggest the Applicant's steps of (a) forming a hole in an electrode, the electrode formed on a semiconductor element; (b) after the hole is formed in the electrode, forming a through-hole in the semiconductor element so as to be connected to the hole; and (c) forming a conductive layer in a region including an inner side of the through-hole as recited in the currently amended independent claim 1, lines 3-8.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Conclusion

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Khiem D Nguyen whose telephone number is (571) 272-

1865. The examiner can normally be reached on Monday-Friday (8:00 AM - 5:00 PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Olik Chaudhuri can be reached on (571) 272-1855. The fax phone number

for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR. Status

information for unpublished applications is available through Private PAIR only. For

more information about the PAIR system, see http://pair-direct.uspto.gov. Should you

have questions on access to the Private PAIR system, contact the Electronic Business

Center (EBC) at 866-217-9197 (toll-free).

K.N.

September 22nd, 2004

W. DAVID COLEMAN PRIMARY EXAMINER

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